

GEL REDUCTION IN HIGH CIS-1,4-POLYBUTADIENE  
PRODUCTION PROCESS  
ABSTRACT OF THE DISCLOSURE

The present invention relates to a process for the production of cis-1,4-polybutadiene having a low gel content. The process includes polymerizing 1,3-butadiene in the presence of a catalyst and a polymerization diluent. According to the present invention, the diluent contains an organic solvent and water particles having a median particle size less than or equal to about 10  $\mu\text{m}$ .